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Gentlemen:

Groundwater Monitoring Data

Attached are the analyses of groundwater samples obtained at Amoco's Riverfront Lagoon site and Main Plant site. The EPA ID Numbers are ILD 980503106 and ILD 980700967, respectively.

Analyses from three different sampling dates are included. The first set is a resubmission of the final quarter data for wells B-1, H-37, H-40, H-41, R-1, R-2, R-3, and P-5. The samples were obtained March 29 and 30, 1984, and are being resubmitted on IEPA forms with additional information included. The second set is the semiannual analyses for the above stated wells collected June 26 and 27, 1984. As was agreed in the July 23, 1984, meeting with IEPA, this set of wells would be abandoned as RCRA monitors and would not be statistically evaluated for significant deterioration. Therefore, this will be the final sampling of the aforementioned wells. The third and final set of data is from the new series of wells identified as RL-1 through RL-10 for the Riverfront Lagoon site and RP-1 through RP-7 for the Main Plant site.

The analytical results for the old set of wells sampled June 26 and 27, 1984, showed no exceedances of the Primary Drinking Water Standards (PDWS). The results from the initial sampling of the new wells on August 27-29, 1984, indicated several parameters greater than the PDWS. Three wells exceeded the chromium standard, eight exceeded the fluoride limit and one sample was high in nitrate. The total radium and gross alpha in two wells were greater than the PDWS limit. The gross beta standard was exceeded in one well and fecal coliform was greater than the PDWS for ten wells. All analyses are detailed in the following pages.

No pesticides or herbicides were found to be greater than the following drinking water standards:

Endrin	-	0.0002	mg/l
Lindane	-	0.004	mg/l
Methoxychlor	-	0.1	mg/l
Toxaphene	-	0.005	mg/l
2, 4 - D	-	0.1	mg/l
2, 4, 5 - TP Silvex	-	0.01	mg/l

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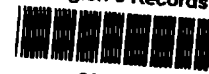
IEPA-DLPC

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P.6  
11/21/84